

Claims

1. (Currently Amended) A cooling system for a mobile terminal for wireless communication, comprising:
a rotating fan comprising blades adapted to reduce the heat generated by the mobile terminal, and
a vibration generation mechanism comprising at least one weight which is coupled to said rotating fan attached to at least one blade and moveable along said blade so that, when said weight is activated by a centrifugal force when the rotational speed of the fan exceeds a predefined level, said weight moves outwardly along said blade, increasing in order to cause a vibration of the fan by creating an unbalance of the rotation of the fan and therefore a vibration of the fan.
2. (Cancelled)
3. (Previously presented) A system according claim 2, wherein the fan consists of four blades.
4. (Cancelled)
5. (Previously presented) A system according to claim 2, wherein at least one blade has no attached weight.
6. (Previously presented) A system according to claim 2, wherein the weight is held to the centre of the fan by a spring.
7. (Cancelled)
8. (Previously presented) A system according to claim 7, wherein the weight is guided along the blade by a bar.

9. (Previously presented) A system according to claim 8, wherein the weight encompasses the blade.
10. (Previously presented) A system according to claim 1, wherein the weight is coupled to the fan by a clutch.
11. (Previously presented) A system according to claim 10, wherein the weights and the fan have a common rotational axis.
12. (Previously presented) A system according to claim 11, wherein the clutch is a centrifugal clutch.
13. (Previously presented) A mobile terminal for wireless communication having a cooling system according to claim 1.
14. (Previously presented) A system according to claim 3, wherein each weight is attached to one blade.